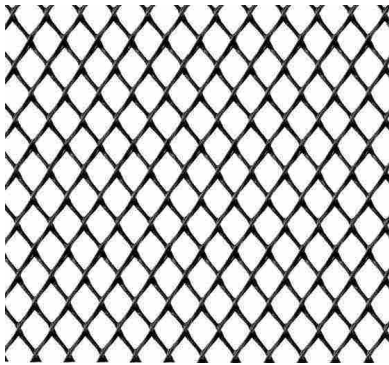




## Drainage geonet



**PRODUCT DESCRIPTION: GPGGEONET**

**GPG M5** is a high-density polyethylene (HDPE) geonet. The geonet is made with 2 overcrossed strands at 60°, whose geometry create channels with a high flow capacity, also under pressure and at very low gradients.

**FUNCTION:**  
DRAINAGE.

**MAIN USES:**

Landfill capping, new landfills, water reservoirs, horizontal drainage in embankments and platforms of roads, railways, trams and other trafficked areas, retaining structures, bridges, foundations, basements, canals, cut and cover tunnels, tunnels and other underground structures, gardens and sport fields.

Characteristics	Value	Unit	Standard
<b>Geonet drainage</b>			
Polymer	High-density polyethylene ( HDPE )		
Thickness at 20 kPa / 200 kPa	5,2 / 4,8	mm	EN 964
Thickness reduction due to creeping <sup>(1)</sup>	< 3	%	EN 1897
Mass per unit area	650	g / m <sup>2</sup>	EN 965
Peak tensile strength MD / CD	7,0 / 2,5	kN/m	ISO 10319
Elongation at break, MD / CD	20 / 90	%	ISO 10319
Crushing resistance	> 1.250	kPa	ASTM D 1621
Flow capacity in their plane, MD		l/m·s	ISO 12958 <sup>(2)</sup>
i = 1,0	σ = 20 kPa	2,50	
	σ = 50 kPa	2,10	
	σ = 200 kPa	1,70	
	σ = 500 kPa	1,25	
i = 0,5	σ = 20 kPa	0,54	
	σ = 50 kPa	0,48	
	σ = 200 kPa	0,36	
	σ = 500 kPa	0,23	

**GPGGEONET-M5** standard format is **2 or 4 meters-wide** and 50 meters-long rolls.

(1) Thickness reduction after 1.000 h under 200 kPa normal stress.

(2) ISO 12958-1999 with 380\*300 mm specimens and rigid plates (hard-hard).

i : Hydraulic gradient

MD : Machine direction (longitudinal)

CD : Cross machine direction (transversal)

σ : Normal stress

This information are typical values based on our present state of knowledge and is intended to provide general notes on our products and their uses.